

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112019\  
 Data File : VX013485.D  
 Acq On : 20 Nov 2019 18:18  
 Operator : JC/SP  
 Sample : K5957-14  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 EB-SOIL-111919

Quant Time: Nov 21 04:30:37 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X103119W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 02 07:06:38 2019  
 Response via : Initial Calibration

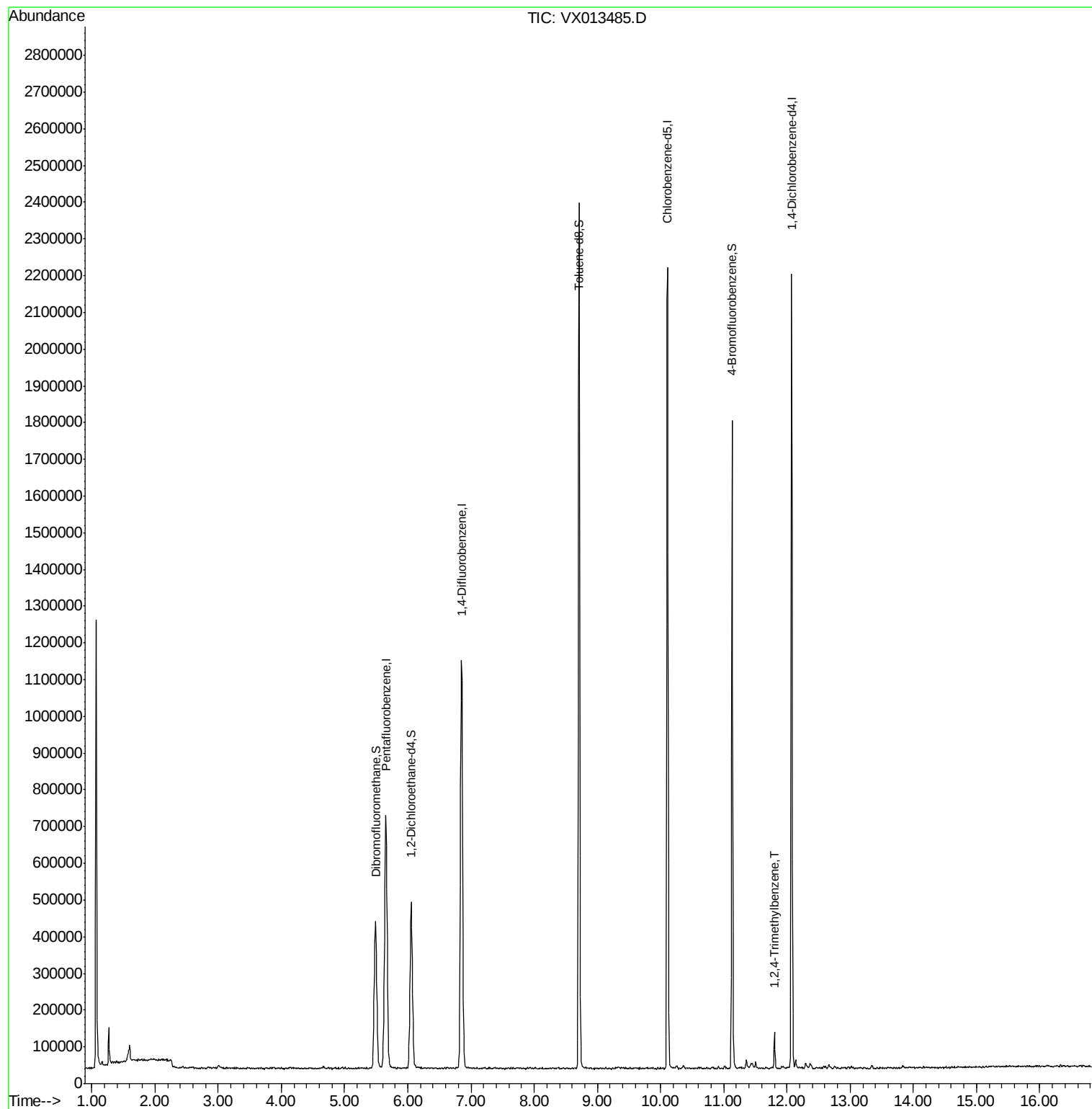
| Internal Standards          | R.T.   | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|--------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 5.65   | 168  | 721397   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 6.85   | 114  | 1155821  | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 10.11  | 117  | 1031828  | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 12.07  | 152  | 450393   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |        |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 6.05   | 65   | 420687   | 49.22 | ug/l    | 0.00      |
| Spiked Amount               | 50.000 |      | Recovery | =     | 98.44%  |           |
| 35) Dibromofluoromethane    | 5.49   | 113  | 351586   | 48.50 | ug/l    | 0.00      |
| Spiked Amount               | 50.000 |      | Recovery | =     | 97.00%  |           |
| 50) Toluene-d8              | 8.71   | 98   | 1367781  | 50.05 | ug/l    | 0.00      |
| Spiked Amount               | 50.000 |      | Recovery | =     | 100.10% |           |
| 62) 4-Bromofluorobenzene    | 11.14  | 95   | 458518   | 46.49 | ug/l    | 0.00      |
| Spiked Amount               | 50.000 |      | Recovery | =     | 92.98%  |           |
| Target Compounds            |        |      |          |       |         |           |
| 84) 1,2,4-Trimethylbenzene  | 11.81  | 105  | 45191    | 1.811 | ug/l    | Qvalue 99 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Sat Nov 02 07:06:38 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013485.D

Acq: 20 Nov 2019 18:18

Instrument :

MSVOA\_X

ClientSampleId :

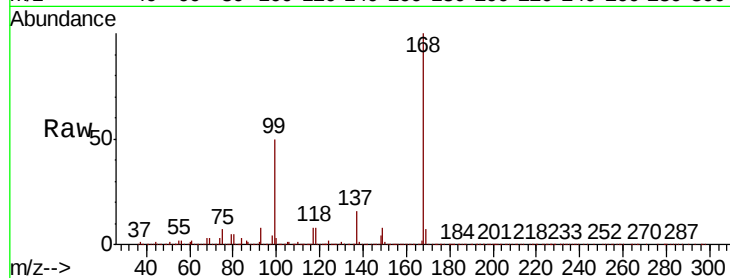
EB-SOIL-111919

Tot Ion:168 Resp: 721397

Ion Ratio Lower Upper

168 100

99 49.5 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

150000

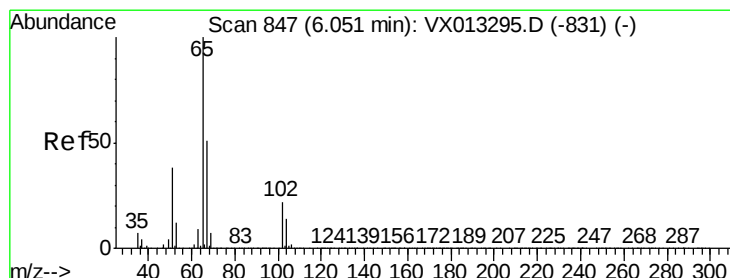
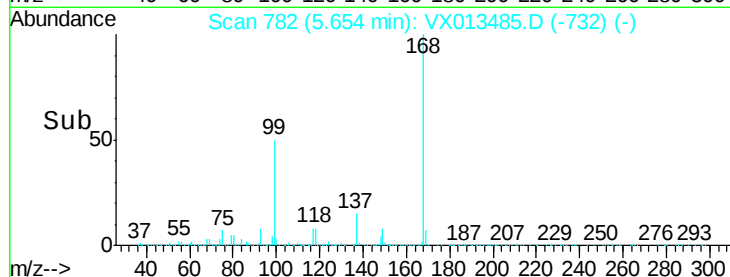
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 49.224 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013485.D

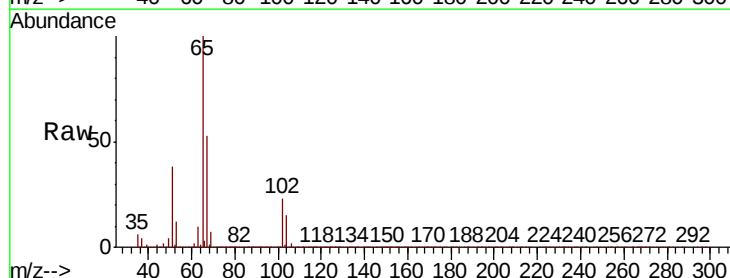
Acq: 20 Nov 2019 18:18

Tgt Ion: 65 Resp: 420687

Ion Ratio Lower Upper

65 100

67 52.4 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

150000

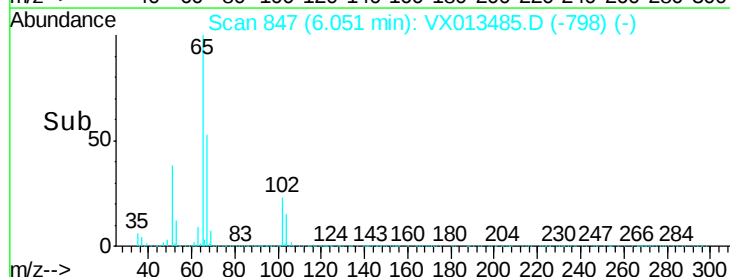
100000

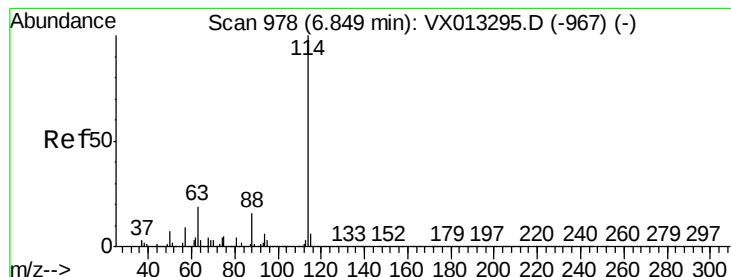
50000

0

Time-->

5.90 6.00 6.10 6.20





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013485.D

Acq: 20 Nov 2019 18:18

Instrument :

MSVOA\_X

ClientSampleId :

EB-SOIL-111919

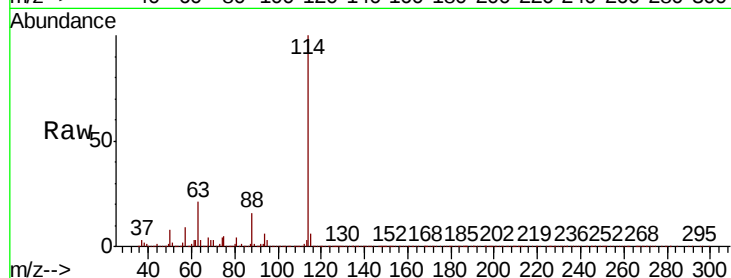
Tot Ion:114 Resp: 1155821

Ion Ratio Lower Upper

114 100

63 20.8 0.0 38.4

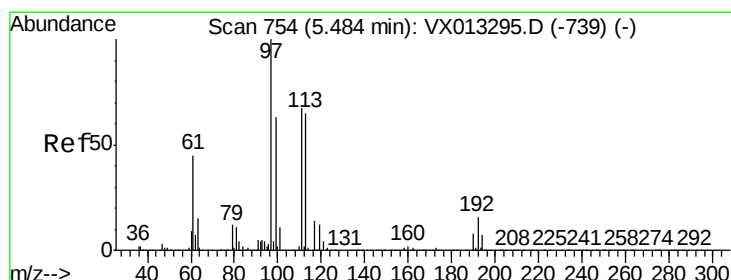
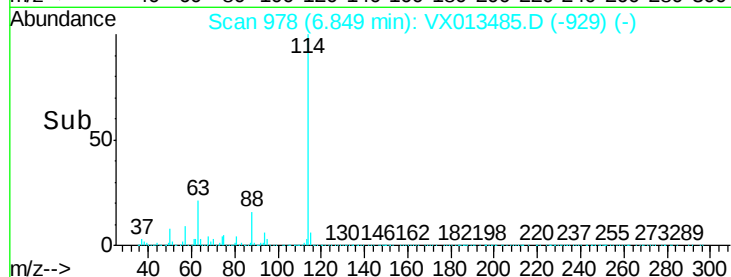
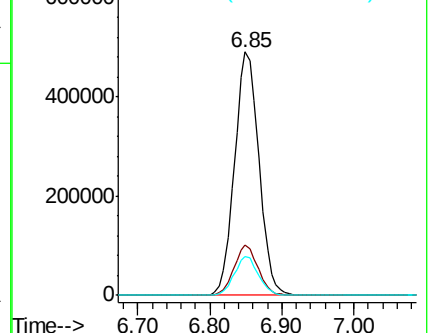
88 15.8 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 48.498 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013485.D

Acq: 20 Nov 2019 18:18

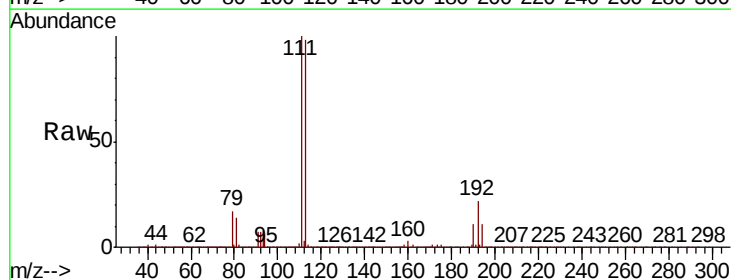
Tgt Ion:113 Resp: 351586

Ion Ratio Lower Upper

113 100

111 101.2 81.9 122.9

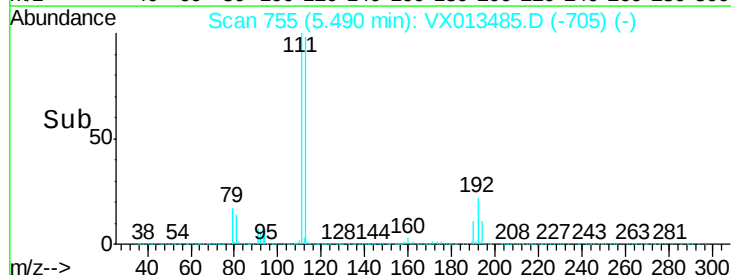
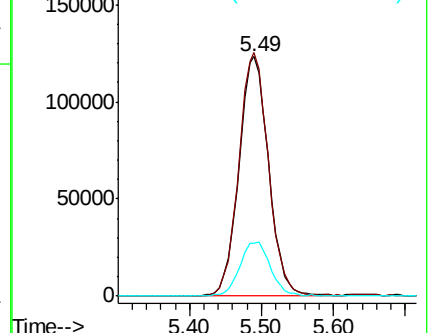
192 23.4 19.1 28.7

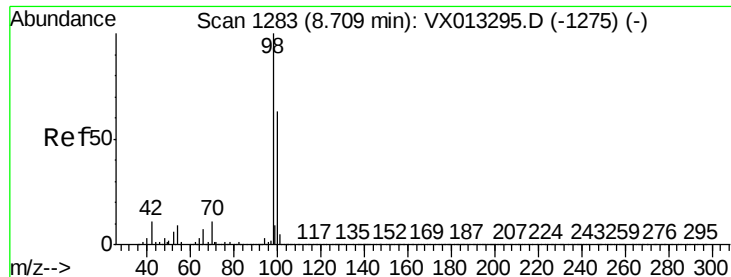


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 50.047 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013485.D

Acq: 20 Nov 2019 18:18

Instrument :

MSVOA\_X

ClientSampleId :

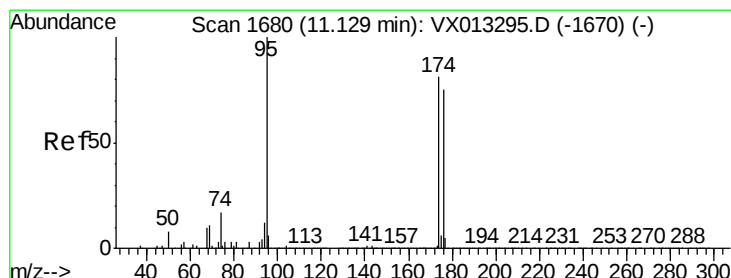
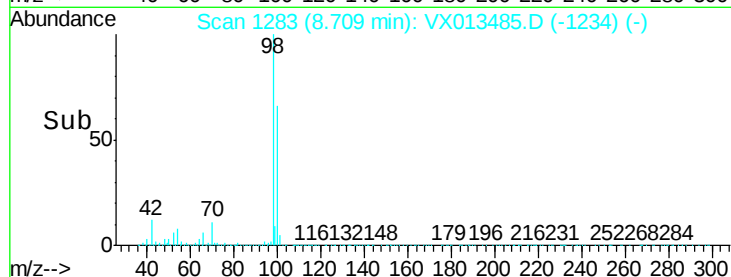
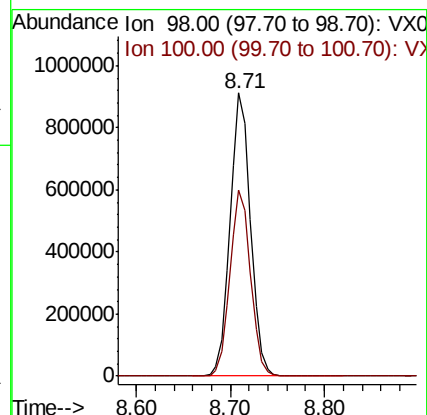
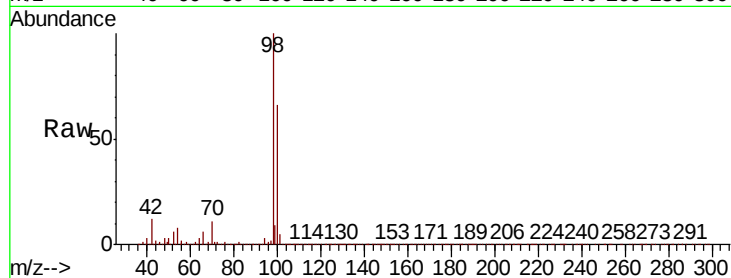
EB-SOIL-111919

Tot Ion: 98 Resp: 1367781

Ion Ratio Lower Upper

98 100

100 66.2 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 46.487 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX013485.D

Acq: 20 Nov 2019 18:18

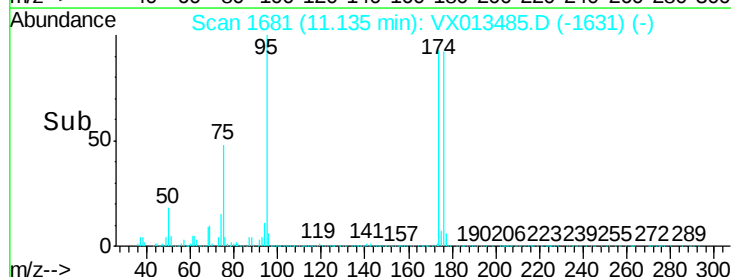
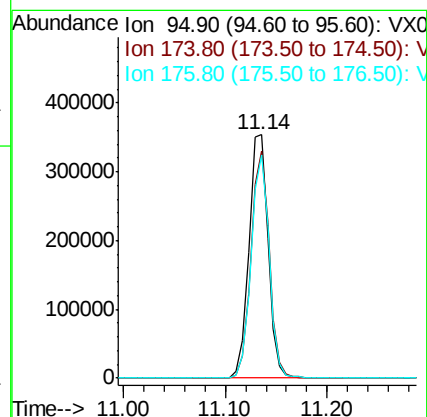
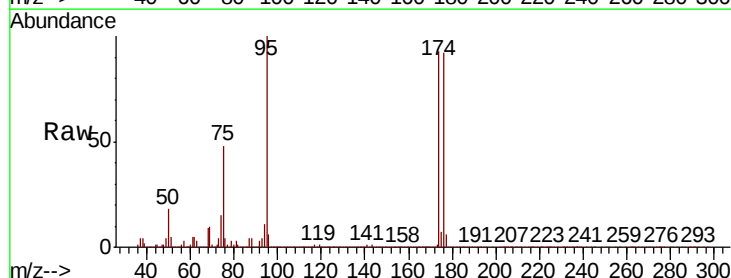
Tgt Ion: 95 Resp: 458518

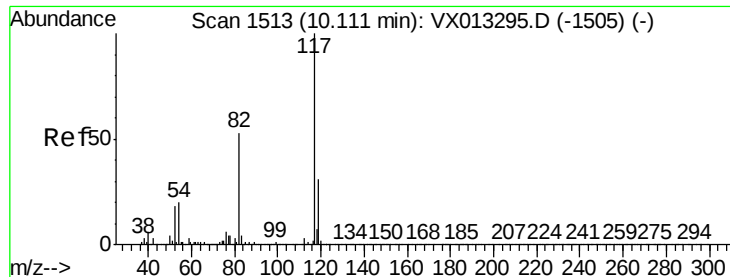
Ion Ratio Lower Upper

95 100

174 89.3 0.0 179.8

176 87.5 0.0 173.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX013485.D

Acq: 20 Nov 2019 18:18

Instrument :

MSVOA\_X

ClientSampleId :

EB-SOIL-111919

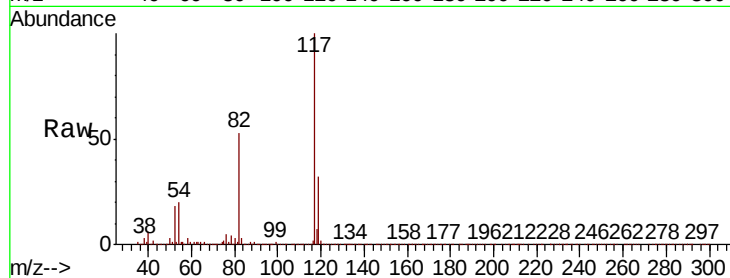
Tot Ion:117 Resp: 1031828

Ion Ratio Lower Upper

117 100

82 53.0 42.6 64.0

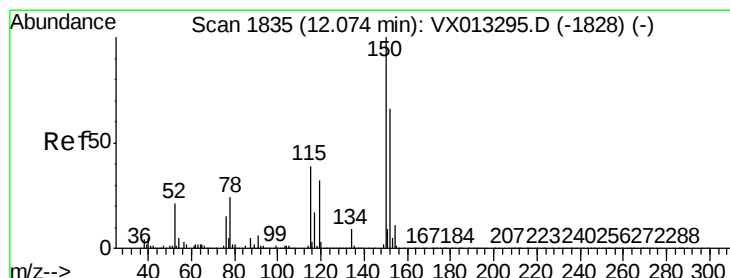
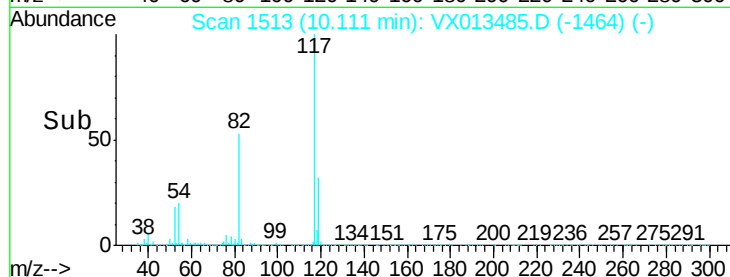
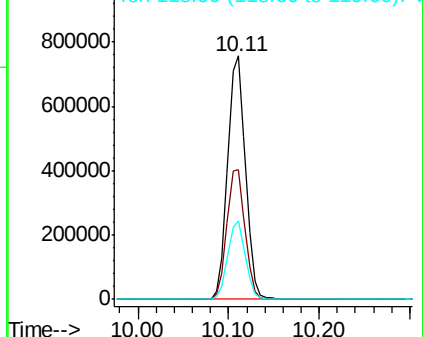
119 32.1 24.8 37.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013485.D

Acq: 20 Nov 2019 18:18

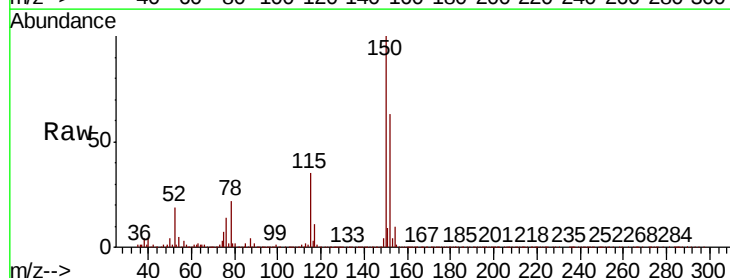
Tgt Ion:152 Resp: 450393

Ion Ratio Lower Upper

152 100

115 55.5 39.5 118.3

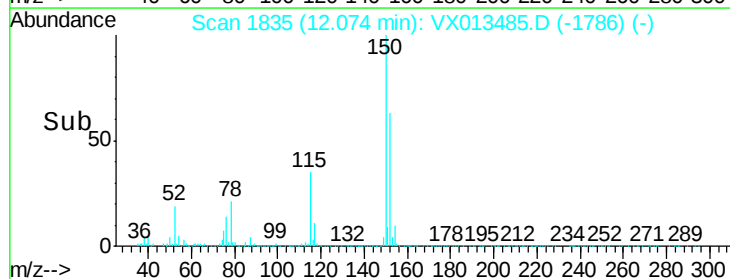
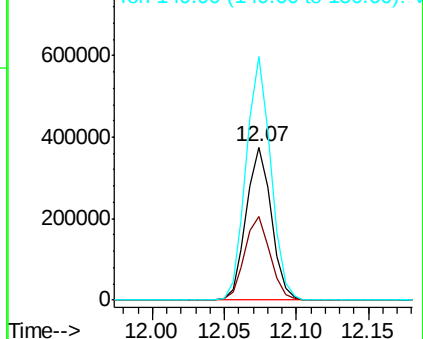
150 156.9 0.0 344.4

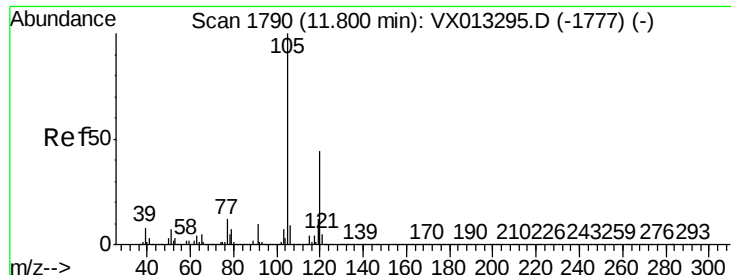


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#84

1,2,4-Trimethylbenzene

Concen: 1.811 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. 0.01 min

Lab File: VX013485.D

Acq: 20 Nov 2019 18:18

Instrument :

MSVOA\_X

ClientSampleId :

EB-SOIL-111919

Tot Ion:105 Resp: 45191

Ion Ratio Lower Upper

105 100

120 44.7 22.7 68.1

